

Claims

1. Method for the transmission of data in a radio communication system,
with subscriber stations (UE1, UE2; UE) being informed prior to the transmission of useful information as a service (MBMS) which has been provided for several subscribers,
characterized in that
the subscriber stations (UE1, UE2) are informed (PAZ2; PAZ4) by means of a service-dedicated paging display channel (MBMS PICH).
2. Method in accordance with claim 1,
characterized in that
several discontinuous reception cycles of paging indicators (PAZ2; PAZ4) are transmitted in the service-dedicated paging indicator channel (MBMS PICH).
3. Method in accordance with claim 2,
characterized in that
several discontinuous reception cycles of paging indicators (PAZ2; PAZ4) with identical and/or different repetition rates are transmitted in the service-dedicated paging indicator channel (MBMS PICH).
4. Method in accordance with claim 2 or 3,
characterized in that
several discontinuous reception cycles of paging indicators (PAZ2; PAZ4) are allocated service-specific or service-class-specific on the dedicated paging indicator channel (MBMS PICH).

5. Method in accordance with one of claims 1 to 4, characterized in that
paging indicators (PAZ2; PAZ4) on the dedicated paging indicator channel (MBMS PICH) include information on a service control channel (MMCH).
6. Method in accordance with claim 5, characterized in that
at least one paging indicator (PAZ4) on the dedicated paging indicator channel (MBMS PICH) includes information for service identification with respect to different services and/or different types of service.
7. Method in accordance with one of claims 1 to 6, characterized in that
a subscriber station (UE1, UE2; UE), to acquire the message at the subscriber station (UE1, UE2; UE) using a service-dedicated paging indicator channel (MBMS PICH), either periodically receives the paging indicators (PAZ2; PAZ4) of the discontinuous reception cycles on the service-dedicated paging indicator channel (MBMS PICH) or paging indicator information (PAI) on a cell paging indicator channel (CELL PICH).
8. Method in accordance with claim 7, characterized in that
the paging indicator information (PAI) on the cell paging indicator channel (CELL PICH) contains several bits for indication of service information on the service-dedicated paging indicator channel (MBMS PICH).
9. Method in accordance with claim 8, characterized in that

the paging indicator information (PAI) on the cell paging indicator channel (CELL PICH) includes an indication of the service class and/or a paging-specific sequence number.

10. Base station (Node B) for transmission of data in a radio communication system,
with means for informing subscriber stations (UE1, UE2; UE) prior to the transmission of useful information as a service (MBMS), that is provided for several subscribers, characterized in that
means for creating and transmitting information (PAZ2; PAZ4) to subscriber stations (UE1, UE2; UE) using a service-dedicated paging indicator channel (MBMS PICH) are present.
11. Base station (Node B) in accordance with claim 10, characterized in that
means for transmitting several discontinuous reception cycles of paging indicators (PAZ2; PAZ4) are present in the service-dedicated paging indicator channel (MBMS PICH).
12. Base station (Node B) in accordance with claim 11, characterized in that
means for transmitting several discontinuous reception cycles of paging indicators (PAZ2; PAZ4) with identical and/or different repetition rates in the service-dedicated paging indicator channel (MBMS PICH) are present.
13. Base station (Node B) in accordance with claim 11 or 12, characterized in that

means for allocating several discontinuous reception cycles of paging indicators (PAZ2; PAZ4) on the dedicated paging indicator channel (MBMS PICH) to specific services or specific service classes is provided.

14. Subscriber station (Node B) for performing a method in accordance with one of claims 1 to 9, characterized in that
a subscriber station (UE1, UE2; UE) has means for acquiring the message (PAZ2; PAZ4) at the subscriber station (UE1, UE2; UE) using a service-dedicated paging indicator channel (MBMS PICH), with either the paging indicators (PAZ2; PAZ4) of the discontinuous reception cycles on the service-dedicated paging indicator channel (MBMS PICH) being periodically received or paging indicator information (PAI) being received on the cell paging indicator channel (CELL PICH).
15. Radio communication system especially for performing a method in accordance with one of claims 1 to 9, having at least one base station (Node B) in accordance with one of claims 10 to 13 and/or a subscriber station (UE1, UE2; UE) in accordance with claim 14.